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KD-Validated Anti-Glutathione synthetase Rabbit Monoclonal Antibody

Rabbit monoclonal antibody
Catalog # AGI2397

Product Information

Application	WB, FC, ICC
Primary Accession	P48637
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	23GB4385
Calculated MW	52385
Gene Name	GSS
Aliases	GSS; Glutathione Synthetase; Glutathione Synthase; GSH Synthetase; EC 6.3.2.3; GSH-S; HEL-S-64p; HEL-S-88n; GSHS
Immunogen	A synthesized peptide derived from human Glutathione Synthetase

Additional Information

Gene ID	2937
Other Names	Glutathione synthetase, GSH synthetase, GSH-S, 6.3.2.3, Glutathione synthase, GSS (HGNC:4624)

Protein Information

Name	GSS (HGNC:4624)
Function	Catalyzes the production of glutathione from gamma- glutamylcysteine and glycine in an ATP-dependent manner (PubMed:7646467, PubMed:9215686). Glutathione (gamma- glutamylcysteinylglycine, GSH) is the most abundant intracellular thiol in living aerobic cells and is required for numerous processes including the protection of cells against oxidative damage, amino acid transport, the detoxification of foreign compounds, the maintenance of protein sulfhydryl groups in a reduced state and acts as a cofactor for a number of enzymes (PubMed:10369661). Participates in ophthalmate biosynthesis in hepatocytes (By similarity).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.